

APPLICANT(S): ROTH, Shmuel et al.
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REMARKS

The present response is intended to be fully responsive to all points of objection and/or rejection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application is respectfully requested.

Applicants assert that the present invention is new, non-obvious and useful. Prompt consideration and allowance of the claims is respectfully requested.

Status of Claims

Claims 1-22 are pending in the application.

Claims 1-20 have been rejected.

Claims 1 and 10 have been amended in this submission.

Claims 21 and 22 have been newly added in this submission. It is respectfully submitted that no new matter has been added by these claims.

Telephone Interview

Applicants wish to thank Examiners Zimmerman and Xu for conducting a telephone interview on September 27, 2006 with inventor Dr. Moshe Ben-Chorin and the undersigned Applicant's representative Guy Yonay. The Edge reference (discussed below) and claim 1 were discussed, and it was agreed that the Edge reference, which discloses a standard RGB display, does not expressly disclose chromaticities being selected to define a viewed color gamut which covers a perceived color gamut of said set of inks when printed on said substrate.

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CLAIM REJECTIONS

35 U.S.C. § 103 Rejections

In the Office Action, the Examiner rejected claims 1, 4, 6-9, 10-11, 15-16 and 18-20 under 35 U.S.C. § 103(a), as being unpatentable over Karakawa (US Patent No. 6,304,237) in view of Edge (US Patent Application Publication No. 2002/0167528).

In the Office action, the Examiner states that Edge teaches an RGB gamut related to achieve a perceived gamut of inks printed on a substrate. For the reasons stated below, Applicants respectfully disagree and traverse the rejection.

Edge teaches a display-independent color conversion from the color of inks printed on substrate to a virtual color space and then to the RGB gamut of the display device. It is clear from Edge that the display used in connection with the invention is a standard CRT display. However, such standard CRT displays are not the subject of the present application. The Edge reference itself recognizes the limitations of such displays:

A major problem with soft proofing, however, is the difficulty in achieving a good visual match between the colors displayed on the soft proofing display device and the colors that appear on the actual printed hard copy. . . . Also, theoretically the colors displayed using the RGB device coordinates would be visually equivalent to those of the hard copy print out. In reality, however, the colors that appear on the display may look different than those of the hard copy printout, even though the images displayed by the soft and hard copy media produce substantially identical device-independent values. (Edge para. 7, emphasis added)

Applicants disagree with the Examiner's contention that the RGB gamut of Edge "substantially covers" the print copy color gamut; however, solely to clarify that the pending claims are not intended to cover standard prior art CRT displays, Applicants have amended the claim to recite "chromaticities being selected to define a viewed color gamut which entirely covers a perceived color gamut of said set of inks when printed on said substrate."

Accordingly, claims 1 and 10, and claims 2-9 and 11-22, which depend therefrom, are allowable.

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In the Office Action, the Examiner rejected claims 2-3 and 12-13 under 35 U.S.C. § 103(a), as being unpatentable over Karakawa in view of Edge and further in view of Lind (US Patent No. 6,069,601).

As discussed, the prior art does not teach or suggest “a light source to generate light of a set of at least three colors having at least three different chromaticities, respectively, said chromaticities being selected to define a viewed color gamut which entirely covers a perceived color gamut of said set of inks when printed on said substrate” as recited in amended claim 1. Lind does not overcome this deficiency. Accordingly, claims 2-3 and 12-13 are allowable.

In the Office Action, the Examiner rejected claim 5 under 35 U.S.C. § 103(a), as being unpatentable over Karakawa in view of Edge and further in view of Wada (US Patent No. 6,972,736).

As discussed, the prior art does not teach or suggest “a light source to generate light of a set of at least three colors having at least three different chromaticities, respectively, said chromaticities being selected to define a viewed color gamut which entirely covers a perceived color gamut of said set of inks when printed on said substrate” as recited in amended claim 1. Wada does not overcome this deficiency. Accordingly, claim 5 is allowable.

In the Office Action, the Examiner rejected claims 14 and 17 under 35 U.S.C. § 103(a), as being unpatentable over Karakawa in view of Edge and further in view of Baba (US Patent Application Publication No. 2002/0122019).

As discussed, the prior art does not teach or suggest “a light source to generate light of a set of at least three colors having at least three different chromaticities, respectively, said chromaticities being selected to define a viewed color gamut which entirely covers a perceived color gamut of said set of inks when printed on said substrate” as recited in amended claim 1. Baba does not overcome this deficiency. Accordingly, claims 14 and 17 are allowable.

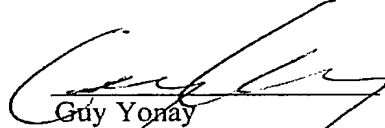
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In view of the foregoing amendments and remarks, the pending claims are deemed to be allowable. Their favorable reconsideration and allowance is respectfully requested.

Should the Examiner have any question or comment as to the form, content or entry of this Amendment, the Examiner is requested to contact the undersigned at the telephone number below. Similarly, if there are any further issues yet to be resolved to advance the prosecution of this application to issue, the Examiner is requested to telephone the undersigned counsel.

Please charge any fees associated with this paper to deposit account No. 50-3355.

Respectfully submitted,


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